



NOTES

EXPLANATION

- Fine-Grained Upper Muddy Creek Formation Monitor Well
- Pioneer Operation Area
- Montrose Site Assessment Area Boundary
- Stauffer/Pioneer Phase II LOU Study Item
- Basic Remediation Company
- Proposed Corrective Action Management Unit (CAMU)

U.S. EPA Region IX Maximum Contaminant Level (MCL)		
1,2,4-TCB	70	ug/l
1,2-DCB	600	ug/l
1,4-DCB	75	ug/l
2,3,7,8-TCDD	0.00003	ug/l
4,4-DDE	NE	
4,4-DDT	NE	
aBHC	NE	
Arsenic	10	ug/l
Benzene	5	ug/l
beta-BHC	NE	
BDS	NE	
cTet	5	ug/l
CPT	NE	
CBZ	100	ug/l
CF	80	ug/l
DMPT	NE	
gBHC	0.2	ug/l
PCE	5	ug/l
TDS	500*	mg/l

\* = Secondary Contaminant Level  
[22] = Concentration is above the MCL  
[22] = Concentration is above the MRL but below the MCL, or above the MRL for compounds with no MCL

Data displayed generally includes the most recent data available as of the date of the report. Exceptions to this include instances in which the most recent data for a compound was reported at elevated laboratory detection limits. In that case, a result from a previous sampling event may be displayed. This figure may not display the maximum concentration detected for a particular compound for the particular well's period of record. Refer to Appendix E for complete data sets for each individual well.

1,2,4-TCB = 1,2,4-Trichlorobenzene  
1,2-DCB = 1,2-Dichlorobenzene  
1,4-DCB = 1,4-Dichlorobenzene  
2,3,7,8-TCDD = 2,3,7,8-Tetrachlorodibenzo-p-Dioxin  
4,4-DDE = 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethene  
4,4-DDT = 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane  
aBHC = alpha-BHC  
BDS = bis(4-Chlorophenyl) disulfide  
cTet = Carbon tetrachloride  
CPT = Carbophenothion  
CBZ = Chlorobenzene  
CF = Chloroform  
DMPT = Dimethyl phosphorodithioic acid  
gBHC = gamma-BHC  
PCE = Tetrachloroethene  
TDS = Total Dissolved Solids  
ug/l = micrograms per liter  
mg/l = milligrams per liter  
LOU = Letter of Understanding

NA = Not analyzed  
NE = Not Established  
MRL = Method Reporting Limit  
J = Estimated value  
J+ = Estimated value, with a high bias likely to occur  
J- = Estimated value, with a low bias likely to occur  
B = Analyte found in sample at less than five times the amount found in associated blank. Result is considered non-detect  
U = Indicated the compound or analyte was analyzed for but not detected at or above the stated limit  
UJ = Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value

CONCEPTUAL SITE MODEL  
FORMER MONTROSE AND STAUFFER FACILITIES  
HENDERSON, NEVADA

FINE-GRAINED  
UPPER MUDDY CREEK FORMATION  
GROUNDWATER QUALITY



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HYDROGEOLOGY • ENGINEERING

FIGURE 4-6A